Title (en)

METHOD FOR PRODUCING POSITIVE ELECTRODE FOR SECONDARY BATTERY, SECONDARY BATTERY, AND METHOD FOR PRODUCING STACK FOR SECONDARY BATTERY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER POSITIVELEKTRODE FÜR SEKUNDÄRBATTERIEN, SEKUNDÄRBATTERIE UND VERFAHREN ZUR HERSTELLUNG EINES STAPELS FÜR EINE SEKUNDÄRBATTERIE

Title (fr)

PROCÉDÉ DE PRODUCTION D'UNE ÉLECTRODE POSITIVE DESTINÉE À UNE BATTERIE RECHARGEABLE, BATTERIE RECHARGEABLE, ET PROCÉDÉ DE PRODUCTION D'UN EMPILEMENT DESTINÉ À UNE BATTERIE RECHARGEABLE

Publication

EP 2908364 A1 20150819 (EN)

Application

EP 13844628 A 20131009

Priority

- JP 2012224948 A 20121010
- JP 2013077532 W 20131009

Abstract (en)

A method for producing a positive electrode for a secondary battery, including the steps of: applying a slurry for a positive electrode material layer onto a current collector, and drying the applied slurry to form a positive electrode material layer, the slurry for a positive electrode material layer containing a fluorine-containing polymer, a positive electrode active material, and a dispersion medium; and applying a slurry for a surface layer onto the positive electrode material layer, and drying the applied slurry, the slurry for a surface layer containing a particulate acrylic polymer, a water-soluble polymer, and water, and having a content ratio of the particulate acrylic polymer and the water-soluble polymer in a total solid content of 60% by weight to 95% by weight.

IPC 8 full level

H01M 4/139 (2010.01); **H01M 4/04** (2006.01); **H01M 4/13** (2010.01); **H01M 4/36** (2006.01); **H01M 4/62** (2006.01); **H01M 10/0525** (2010.01); **H01M 10/058** (2010.01); **H01M 50/42** (2021.01); **H01M 50/449** (2021.01); H01M 50/451 (2021.01); H01M 50/489 (2021.01); H01M 50/491 (2021.01)

CPC (source: CN EP US)

H01M 4/0404 (2013.01 - CN EP); **H01M 4/139** (2013.01 - CN EP); **H01M 4/62** (2013.01 - EP); **H01M 4/622** (2013.01 - CN EP); **H01M 4/623** (2013.01 - CN EP); **H01M 10/0525** (2013.01 - CN EP); **H01M 10/058** (2013.01 - CN EP); **H01M 50/42** (2021.01 - CN EP US); **H01M 50/449** (2021.01 - CN EP US); H01M 4/13 (2013.01 - CN EP); H01M 4/366 (2013.01 - EP); H01M 50/446 (2021.01 - EP); H01M 50/451 (2021.01 - CN EP US); H01M 50/489 (2021.01 - CN EP US); H01M 50/491 (2021.01 - CN EP US); Y02E 60/10 (2013.01 - EP); Y02P 70/50 (2015.11 - EP)

Cited by

EP3605653A4; US2021043941A1; EP3439087A4; EP4310944A4; US2023246297A1; EP3370284A4; EP3876319A4; US11807698B2; US11177534B2; US10333136B2; US11588208B2; US11837750B2; US11552297B2; US11670822B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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BA ME

DOCDB simple family (publication)

EP 2908364 A1 20150819; **EP 2908364 A4 20160615**; **EP 2908364 B1 20180411**; CN 104685673 A 20150603; CN 104685673 B 20170922; JP 6375949 B2 20180822; JP WO2014057993 A1 20160905; KR 102157156 B1 20200917; KR 20150070126 A 20150624; PL 2908364 T3 20180831; WO 2014057993 A1 20140417

DOCDB simple family (application)

EP 13844628 A 20131009; CN 201380051467 A 20131009; JP 2013077532 W 20131009; JP 2014540877 A 20131009; KR 20157008340 A 20131009; PL 13844628 T 20131009